Prime factors are divisors which are prime numbers. The number itself can also be prime factor.

return primeFactors;

- One naive approach could be check all numbers till number if they are divisor and prime TC-OCn xin)

  To The Looping through numbers
- 2) We can optimize this by finding factors in it only going till In & checking if i & n/e one point numbers a factors.

  TC For finding factors itill be in thousand, we will have prime check only for factors so it's unpedictable and depends on input.
- 3) Another more optimized approach would be to loop from 2 to n and if n as divisible by a add it to the lect of answer. How, while n as divisible by it keep dividing it by "" till it is no longor divisible by it to hardle all multiples of that number. Finally of number as not 1 add it to list as well.